REMARKS

It is believed that by submitting the present amendment and sequence listing diskette, the application now fully complies with the requirements of 37 CFR 1.821-1.825. Favorable action by the examiner is solicited.

Please charge any shortage in fees due in connection with the filing of this paper, including Extension of Time fees to Deposit Account No. 11-0345. Please credit any excess fees to such deposit account.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

Delete the sequence listing shown on separate pages 1-2 of the specification, and substitute with the sequence listing shown on attached replacement pages 1-4.

Amend the paragraph on page 3, lines 9-15, as follows:

We have found that this object is achieved by the peptide fragments according to the invention having the general sequence

$His\text{-}X^1\text{-}His\text{-}X^2\text{-}X^3\text{-}X^4\text{-}Cys\text{-}X^5\text{-}X^6\text{-}Cys$, (SEQ ID NO:1)

where the variables X^1 to X^6 in the sequence have the following meaings:

Amend the paragraph on page 4, lines 10-17, as follows:

The general sequence $His\text{-}X^1\text{-}His\text{-}X^2\text{-}X^3\text{-}X^4\text{-}Cys\text{-}X^5\text{-}X^6\text{-}Cys$, (SEQ ID NO:1) corresponds to SEQ ID No:1 where X^1 corresponds to the amino acids designated Xaa in position 2 in SEQ ID NO:1, and X^2 corresponds to Xaa in position 4, X^3 corresponds to Xaa in position 5, X^4 corresonds to Xaa in position 6, X^5 corresponds to Xaa in position 8 and X^6 corresponds to Xaa in position 9. The amino acids mentioned above for X^1 to X^6 may represent the corresponding amino acids designated Xaa in SEQ ID NO:1.

Amend the paragraph on page 13, lines 1-5, as follows:

a) preparing a nucleic acid l ibrary starting from any suitable nucleic acid sequence which codes for a protein fragment of the sequence

His-X^1-His-X^2-X^3-X^4-Cys-X^5-X^6-Cys, (SEQ ID NO:1),

Amend the paragraph on page 16, lines 29-43, as follows:

For the PCR, the plasmid egfp and the two following complementary oligonucleotides

5'-GCAATACCATGGGGCATNNNCATNNNNNNNNNTGTNNNNNNTGTGTGAGGAAGGGCGAG-3' (SEQ ID NO:6)

5'-CAGTTGGAATTCTAGAG-3' (SEQ ID NO:7)

were used. In the case of his6-egfp, the following two complementary primers

5'-GCAATACCATGGGGCATCATCATCATCATCATGTGAGGAAGGGCGAG-3' (SEQ ID NO:8)

5'-CAGTTGGAATTCTAGAG-3' (SEQ ID NO:9)

were used.

Amend the paragraph on page 20, lines 41-44, as follows:

The ATPase-439 comparison clone was carried out in analogy to Example 1 and 6. The primer used was the following primer 5'-GCAATACCATGGGGCATATTCATAATCTTGATTGTCCTGATTGT-3' (SEQ ID NO:10). The other primers and the PCR conditions were as described in Example 1.